

30, the processing method is not restricted. Here only two methods are shown (see Fig. 5B). The burr is then eliminated to make it easy to install.--

IN THE CLAIMS:

Please amend the claims as follows:

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1. (Amended) A hydrodynamic and hydrostatic hybrid bearing comprises:

a housing containing a lubricant;
a bushing placed in the housing having a plurality of dynamic pressure generating grooves being penetrated through the bushing for storing the lubricant; and

a shaft rotatably installed in the bushing;
wherein the lubricant produces hydrodynamic pressure between the grooves and the shaft when the shaft rotates relative to the bushing.

2. (Amended) The hydrodynamic and hydrostatic hybrid bearing of claim 1, wherein the housing comprises a porous material for storing a lubricant.

3. (Amended) The hydrodynamic and hydrostatic hybrid bearing of claim 1, wherein a pre-pressure is applied to the housing for

making the lubricant pass through the grooves and to be present between the bushing and the shaft.

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4. (Amended) The hydrodynamic and hydrostatic hybrid bearing of claim 3, wherein the housing further comprises a sealed unit to keep the pre-pressure.

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5. (Amended) The hydrodynamic and hydrostatic hybrid bearing of claim 4, wherein the sealed unit is a sealed glue.

6. (Amended) The hydrodynamic and hydrostatic hybrid bearing of claim 1, wherein the bushing is a cylinder-shaped bushing.

7. (Amended) The hydrodynamic and hydrostatic hybrid bearing of claim 1, wherein the dynamic pressure generating grooves are two pair of herringbone grooves.